

Title (en)
LH-TYPE BISPECIFIC ANTIBODY

Title (de)
BISPEZIFISCHER LH-ANTIKÖRPER

Title (fr)
ANTICORPS BISPÉCIFIQUE DU TYPE LH

Publication
EP 2412808 A4 20130123 (EN)

Application
EP 10755725 A 20100104

Priority
• JP 2010050008 W 20100104
• JP 2009075050 A 20090325
• JP 2009260576 A 20091116

Abstract (en)
[origin: EP2412808A1] [Problem] Provided are a novel diabody type bispecific antibody, the function of which as a bispecific antibody is improved to provide a higher additional value, such as cost saving caused by a reduction in dose, to a drug; and a method for producing the same. [Solution] A humanized diabody type bispecific antibody (LH-diabody type bispecific antibody) characterized in that an L-chain is located in the N-terminal side in each polypeptide (LH type); a humanized high-functional bispecific antibody which contains said LH diabody type bispecific antibody; a nucleic acid molecule encoding both of two kinds of single-stranded polypeptides constituting said bispecific antibody; and a method for producing said antibody which comprises culturing a host cell having been transformed by an expression vector containing said nucleic acid molecule.

IPC 8 full level
C12N 15/09 (2006.01); **A61K 39/395** (2006.01); **A61P 35/00** (2006.01); **C07K 16/28** (2006.01); **C07K 16/46** (2006.01); **C12N 1/21** (2006.01); **C12P 21/08** (2006.01)

CPC (source: EP US)
A61P 35/00 (2017.12 - EP); **C07K 16/2809** (2013.01 - EP US); **C07K 16/2863** (2013.01 - EP US); **C07K 16/46** (2013.01 - EP US); **C07K 16/468** (2013.01 - US); **C07K 2317/14** (2013.01 - US); **C07K 2317/24** (2013.01 - EP US); **C07K 2317/31** (2013.01 - EP US); **C07K 2317/622** (2013.01 - US); **C07K 2317/626** (2013.01 - EP US)

Citation (search report)
• [I] EP 2006379 A1 20081224 - UNIV TOHOKU [JP]
• See references of WO 2010109924A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2412808 A1 20120201; **EP 2412808 A4 20130123**; **EP 2412808 B1 20160907**; JP 5725508 B2 20150527; JP WO2010109924 A1 20120927; US 2012095191 A1 20120419; US 2015175713 A1 20150625; US 9315584 B2 20160419; WO 2010109924 A1 20100930

DOCDB simple family (application)
EP 10755725 A 20100104; JP 2010050008 W 20100104; JP 2011505904 A 20100104; US 201013257614 A 20100104; US 201514597969 A 20150115